

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/653,114DATE: 08/07/96
TIME: 10:38:04 #16

INPUT SET: S2729.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

(1) General Information:

- (i) APPLICANT: Falck-Pedersen, Erik S.
- (ii) TITLE OF INVENTION: ADENOVIRUS GENE EXPRESSION SYSTEM
- (iii) NUMBER OF SEQUENCES: 1
- (iv) CORRESPONDENCE ADDRESS:
- (A) ADDRESSEE: Alan S. Korman
 - (B) STREET: 1600 Main Place Tower
 - (C) CITY: Buffalo
 - (D) STATE: New York
 - (E) COUNTRY: U.S.A.
 - (F) ZIP: 14202
- (v) COMPUTER READABLE FORM:
- (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:
- (A) APPLICATION NUMBER: US/08/653,114
 - (B) FILING DATE:
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
- (A) APPLICATION NUMBER: 08/166,925
 - (B) FILING DATE: 12/14/93
- (viii) ATTORNEY/AGENT INFORMATION:
- (A) NAME: Korman, Alan S.
 - (B) REGISTRATION NUMBER: 33,932
 - (C) REFERENCE/DOCKET NUMBER: 19603/230
- (ix) TELECOMMUNICATION INFORMATION:
- (A) TELEPHONE: 716-853-8104
 - (B) TELEFAX: 716-853-8109
- (2) INFORMATION FOR SEQ ID NO:1:
- (i) SEQUENCE CHARACTERISTICS:

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TIME: 10:38:10

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47 (A) LENGTH: 6783 base pairs
48 (B) TYPE: nucleic acid
49 (C) STRANDEDNESS: double
50 (D) TOPOLOGY: linear
51
52 (ii) MOLECULE TYPE: cDNA (genomic)
53
54
55
56 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
57
58 TTCCATCATC AATAATATAC CTTATTTTGG ATTGAAGCCA ATATGATAAT GAGGGGGTGG 60
59 AGTTTGTGAC GTGGCGCGGG GCGTGGGAAC GGGCGGGTG ACGTAGTAGT GTGGCGGAAG 120
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61 TGTGATGTTG CAAGTGTGGC GGAACACATG TAAGCGACGG ATGTGGCAAA AGTGACGTTT 180
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63 TTGTTGTGCG CCGGTGTACA CAGGAAGTGA CAATTTTCGC GCGGTTTTAG GCGGATGTTG 240
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65 TAGTAAATT GGGCGTAACC GAGTAAGATT TGGCCATTTT CGCGGAAAA CTGAATAAGA 300
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67 GGAAGTGAAA TCTGAATAAT TTTGTGTTAC TCATAGCGCG TAATATTTGT CTAGGGCCCT 360
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69 GCGCGCGAAA GTTGACATIG ATTATTGACT AGTTATTAAAT AGTAATCAAT TACGGGGTCA 420
70
71 TTAGTTCATA GCCATATAT GGAGTTCCGA GTTACATAAC TTACGGTAAA TGGCCCGCCT 480
72
73 GGCTGACCGC CCAACGACCC CCGCCCATTTG ACGTCAATAA TGACGTATGT TCCCATAGTA 540
74
75 ACGCGAATAG GGACTTTCCA TTGACGTCAA TGGGTGGAGT ATTTACGGTA AACTGCCAC 600
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77 TTGGCAGTAC ATCAAGTGTA TCATATGCCA AGTACGCCCC CTATTGACGT CAATGACGGT 660
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79 AAATGGCCCC CCTGGCATTG TGCCCACTAT ATGACCTTAT GGGACTTTCC TACTTGGCAG 720
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81 TACAICTACG TATTAGTCAT CGCTATTACC ATGGTGATGC GGTTTTGGCA GTACATCAAT 780
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83 GGGCGTGGAT AGCGGTTTGA CTCACGGGGA TTTCCAAGTC TCCACCCCAT TGACGTCAAT 840
84
85 GGGAGTTTGT TTTGGCACCA AAATCAACGG GACTTTCCAA AATGTCGTAA CAACTCCGCC 900
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87 CCATTGACGC AAAGGGTCGG TAGGCGTGTA CGGTGGGAGG TCTATATAAG CAGAGCTCGC 960
88
89 CCGGGGATCC TCTAGAATTC GCTGTCTGCG AGGGCCAGCT GTTGGGGTGA GTACTCCCTC 1020
90
91 TCAAAAGCGG GCATGACTTC TCGCCTAAGA TTGTCAGTTT CCAAAAACGA GGAGGATTTG 1080
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93 ATATTCACTT GGCCCGCGGT GATGCCTTTG AGGGTGGCCG CGTCCATCTG GTCAGAAAAG 1140
94
95 ACAATCTTTT TGTTGTCAAA AGCGCTTGAG GTGTGGCAGG CTTGAGATCT GGCCATACAC 1200
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97 TTGAGTGACA ATGACATCCA CTTTGCCTTT CTCTCCACAG GTGTCCACTC CCAGGTCCAA 1260
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99

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102	CCCGACATCA	CCTGTGTCTA	TGGCCACTGC	CTTGGCTCAC	AAGTACCATT	AAACCCCTTT	1380
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104	TCCTGCTCTT	GCCTGTGAAC	AATGGTTAAT	TGTTCCCAAG	AGAGCATCTG	TCAGTTGTGT	1440
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106	GC AAAATGAT	AGACATTTGA	AAATCTGTCT	TCTGACAAAT	AAAAAGCATT	TATGTTCACT	1500
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108	GCAATGATGT	TTTAAATTAT	TTGTCTGTGT	CATAGAAGGG	TTTATGCTAA	GTTTTCAGA	1560
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110	TACAAGAAG	TGAGGGTTCA	GGTCTGACCT	TGGGGAAATA	AATGAATTAC	ACTTCAAATT	1620
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112	GTGTTGTCAG	CTAAGCAGCA	GTAGCCACAG	TCTAGCTGAG	GGTAACTCCA	GGGTGCGCCA	1680
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118	CAACTGTCAC	CTGCTGAAGA	CCATTCACGT	AGCCAGCCAC	TCTCGCAAGG	CCTGGCCAGT	1860
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120	GTTTGAGCAT	AACACTACTGA	CCCGCTGTTC	CTTGCAATTG	GGTAACAGGA	GGGGGTGTT	1920
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122	CCTACCTTAC	CAATGCAATT	TGAGTCACAC	TAAGATATTG	CTTGAGCCCG	AGAGCATGTC	1980
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124	CAAGGTGAAC	CTGAACGGGG	TGTTTGACAT	GACCATGAAG	ATCTGGAAGG	TGCTGAGGTA	2040
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126	CGATGAGACC	GCGACCAGGT	GCGAGCCCTG	CGAGTGTGGC	GGTAACACATA	TTAGGAACCA	2100
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128	GCCTGTGATG	CTGGATGTGA	CCGAGGAGCT	GAGGCCCGAT	CACCTTGGTGC	TGGCCTGCAC	2160
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130	CCGCGCTGAG	TTTGCTCTTA	GCTATGAAGA	TACAGATTGA	GGTACTGAAA	TGTTGTGGCG	2220
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138	TGATGGTGGC	CCGTCCTGCG	CCGCAAACCT	TACTACCTTG	ACCTACGAGA	CCGTGCTGCG	2460
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142	GATTGTGACT	GACTTTGCTT	TCCTGAGCCC	GCTTGCAAGC	AGTGCAGCTT	CCCGTTTCATC	2580
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144	CGCCCCGAT	GACAAGTTGA	CGGCTCTTTT	GGCACAATTG	GATTCTTTGA	CCCGGGAAGT	2640
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146	TAATGTCGTT	TCTCAGCAGC	TGTTGSAICT	GCGCCAGCAG	GTTTCTGCCC	TGAAGGCTTC	2700
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148	CTCCCCCTCC	AATGCGGTTT	AAAACATAAA	TAAAAACCA	GACTCTGTTT	GGATTTGGAT	2760
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150	CAAGCAAGTG	TCTTGCTGTC	TTTATTTAGG	GTTTTGCGCG	GCGCGGTAGG	CCCGGGACCA	2820
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152	GCGGCTCGCG	TCGTTGAGGG	TCCTGTGTAT	TTTTCCAGG	ACGTGGTAAA	GGTGACTCTG	2880

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153	GATGTTTCTAGA TACATGGGCA TAAGCCCGTC TCTGGGGTGG AGGTAGCACC ACTGCAGAGC	2940
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157	CCTAAAAATG TCTTTACGTA GCAAGCTGAT TGCCAGGGGC AGGCCCTTGG TGTAAGTGTT	3060
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159	TACAAAGCGG TTAAGCTGGG ATGGGTGCAT ACGTGGGGAT ATGAGATGCA TCTTGGACTG	3120
160		
161	TATTTTITAG TTGGCTATGT TCCAGCCAT ATCCCTCCGG GGATTCATGT TGTGCAGAAC	3180
162		
163	CACCAGCACA GTGTATCCGG TGCCTTGGG AATTTGTCA TGTAGCTTAG AAGGAAATGC	3240
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165	GTGGAAGAAC TTGAGAGCGC CCTTGTGACC TCCAAGATT TCCATGCATT CGTCCATAAT	3300
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167	GATGGCAATG GGGCCACGGG CGGCGGCCCTG GGCAGAGATA TTTCTGGGAT CACTAACGTC	3360
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169	ATAGTTGTGT TCCAGGATGA GATCGTCATA GGCCATTTTT ACAAGCGCG GCGGAGGGT	3420
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171	GCCAGACTGC GGTATAATGG TTCCATCCGG CCCAGGGGCG TAGTTACCT CACAGATTTG	3480
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173	CATTTCGCCAC GCTTTGAGTT CAGATGGGGG GATCATGTCT ACCTGCGGG CGATGAAGAA	3540
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175	AACGGTTTCC GGGGTAGGGG AGATCAGCTG GGAAGAAAGC AGGTTCTTGA GCAGCTGCCA	3600
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177	CTTACCGCAG CCGGTGGGCC CGTAATCAC ACCTATTACC GGGTGCAACT GGTAGTTAAG	3660
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179	AGAGCTGCAG CTGCGGTCAT CCTGAGCAG GGGGGCCACT TCGTTAAGCA TGTCCCTGAC	3720
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181	TGCGATGTTT TCCCTGACCA AATCCGCCAG AAGGCGCTCG CCGCCACGC ATAGCAGTTC	3780
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183	TTGAAGGAA GCAAGTTTT TCAACGGTTT GAGACCGTCC GCCGTAGGCA TGCTTTTGAG	3840
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185	CGTTTGACCA AGCAGTTCCA GCGCGTCCCA CAGCTCGGTC ACCTGCTCTA CGGCATCTCG	3900
186		
187	ATCCAGCATA TCTCCTCGTT TCGCGGGTTG GGC CGGCTTT CGCTGTAACG CAGTAGTCGG	3960
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189	TGCTCGTCCA GACGGGCCAG GGTGATGTCT TTCCACGGGC GCAGGGTCTT CGTCAGCGTA	4020
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191	GTCTGGGTCA CGGTGAAGGG GTGCGCTCCG GGCTGCGCGC TGCCAGGGT GCGCTTGAGG	4080
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193	CTGGTCTCTG TGGTGTGAA GCGTGCCTCG TCTTGGCCCT GCGCGTCGGC CAGTAGCAT	4140
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195	TTGACCATG TGTCATAGTC CAGCCCTTCC GCGCGGTGGC CTTTGGCGCG CAGCTTCCCC	4200
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197	TTGGAGGAGG CGCCGACGA GGGGCAGTGC AGACTTTTGA GGGCGTAGAG CTTGGGCGCG	4260
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199	AGAAATACCG ATTCGGGGA GTAGGCATCC GCGCGCAGG CCGCGCAGAC GGTCTCGCAT	4320
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201	TCCACGAGCC AGGTGAGCTC TGGCCGTTG GGGTCAAAA CCAGGTTTCC CCCATGCTTT	4380
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203	TTGATGCGTT TCTTACCTCT GGTTTCCATG AGCCGCTGTC CAOGCTCGT GACGAAAAGG	4440
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205		

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206	CTGTCCGTGT	CCCCSTATAC	AGACTTGAGA	GGTOGAGCGA	TGCCCTTGAG	AGCCTTCAAC	4500
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210	TTCTTTATCA	TGCAACTCGT	AGGACAGGTG	CCGGCAGCGC	TCTGGGTCTAT	TTTCGGCGAG	4620
211							
212	GACCGCTTTC	GCTGGAGCGC	GACGATGATC	GGCCTGTGCG	TTGGGTATT	CGGAATCTTG	4680
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214	CACGCCCTCG	CTCAAGCCTT	CGTCACTGTT	CCGCCACCA	AACTTTTCGG	CGAGAGCAG	4740
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216	GCCATTATCG	COGGCATGGC	GGCCGAOGCG	CTGGGCTAGC	TCTTGCTGGC	GTTCGGGACG	4800
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218	CGAGGCTGGA	TGGCCTTCCC	CATTATGATT	CTTCTCGCTT	CCGGCGGCAT	CGGATGCC	4860
219							
220	CGCTTGCAAG	CCATGCTGTC	CAGGCAGGTA	GATGACGACC	ATCAGGACAC	GCTTCAAGGA	4920
221							
222	TGCGTCGCGG	GTAAGAAAGC	CGCGTTGCTG	CGCTTTTTC	ATAGGCTCCG	CCCCCTGAC	4980
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224	GAGCATCACA	AAAATCGAAG	CTCAAGTCAG	AGGTGGCGAA	ACCCGACAGG	ACTATAAAGA	5040
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226	TACCAGGCGT	TTCCCCCTGG	AAGCTCCCTC	GTGGCTCTCT	CTGTTCCGAG	CCTGCCGCTT	5100
227							
228	ACCGGATACC	TGTCGCCCTT	TCTCCCTTGC	GGAAGCGTGG	CGCTTTCTCA	ATGCTCACGC	5160
229							
230	TGTAGGTATC	TCAATTCCGT	GTAGGTGCTT	CGCTCCAAGC	TGGGCTGTGT	GCACGAACCC	5220
231							
232	CCCGTTGAGC	CGACCGCTG	CGCCTTATCC	GGTAACATATC	GTCTTGAGTC	CAACCCGCTA	5280
233							
234	AGACACGACT	TATCGCCACT	GGCAGCAGCC	ACTGGTACAC	GGATTAGCAG	AGCGAGGTAT	5340
235							
236	GTAGGCGGTG	CTACAGATT	CTTGAAGTGG	TGGCCTAATC	ACGGCTACAC	TAGAAGGACA	5400
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238	GTATTTGGTA	TCTGCGCTCT	GCTGAAGCCA	GTTACCTTCG	GAAAAGAGT	TGTTAGCTCT	5460
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240	TGATCCGGCA	AACAACCCAC	CGCTGGTAGC	GGTGGTTTTT	TTGTTTGCAA	GCAGCAGATT	5520
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242	ACGCGCAGAA	AAAAAGGATC	TCAAGAAGAT	CCTTTGATCT	TTTCTACGGG	GTCTGACGCT	5580
243							
244	CAGTGGAAAG	AAACTCAGC	TTAAGGGATT	TTGGTCATGA	GATTATCAAA	AAGGATCTTC	5640
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246	ACCTAGATCC	TTTTAATTA	AAAATGAAGT	TTTAATCAA	TCTAAGTAT	ATATGAGTAA	5700
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252	TTACCATCTG	GCCCCATGTC	TGCAATGATA	CCGCGAGACC	CACGCTCACC	GGCTCCGAGT	5880
253							
254	TTATCAGCAA	TAAACAGGCC	AGCCGAAGG	GCCGAGCGCA	GAGTGGTCC	TGCAACTTTA	5940
255							
256	TCCGCTCCA	TCCAGTCTAT	TAATTGTTGC	CGGGAAGCTA	GAGTAAGTAG	TTCCCGCAGT	6000
257							
258	AATAGTTTGC	GCAAGTTTGT	TGCCATTGCT	GCAGGCATCG	TGGTGTCAAG	CTCGCTGTTT	6060

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/653,114

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Original Text